

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07241473 A**

(43) Date of publication of application: **19.09.95**

(51) Int. Cl.

B01J 31/06
B01J 35/02
C01B 15/029

(21) Application number: **06032096**

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(22) Date of filing: **02.03.94**

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(54) **PRODUCTION OF HYDROGEN PEROXIDE**

(57) Abstract

PURPOSE: To efficiently produce hydrogen peroxide by a direct single-stage reaction operation by allowing hydrogen to react with oxygen in an aq. soln.

oxygen-contg. gas in an acidic aq. soln. at 10-50°C under 5-50kg/cm²G pressure in the presence of a catalyst obtd. by carrying fine gold particles having ≤50nm particle size on a hydrophobic carrier.

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CONSTITUTION: Hydrogen is allowed to react with